



# MAP Operations Concept

## Operations Concept

- The Operations Concept serves as a validation for the System Design throughout the life cycle. Design choices are consistent with the operations concept. Later in the project cycle following refinement during design and development, the concept serves as the basis for the Flight Operations Plan.
- The Operations Concept address ground versus flight allocation of function, various operational modes including launch and acquisition sequences in addition to normal mission mode
  - Operations drivers such as data collection storage and downlink, data loss budget, mission orbit and maintenance, operations team size, staffing, extent of automation, Onboard FDC, and transition from onorbit checkout to normal operations are included.
  - Contingency Concepts including recovery from Loss of Communications, ACS Safing, and Load Shed are captured.
- Activities and Operations Requirements for each subsystem are captured in a graphical format
- Final operational requirements and sequences are captured and placed under configuration control
- Major Updates to Operations Concept:
  - S/C PDR 1/21/97
  - Confirmation Review 6/17/97
  - MOR 3/18/98
  - FOR 4/4/00
  - Red Team I 9/12/00
  - PSR /Red Team 2 4/10/01
  - MAP Launch & In Orbit Checkout Plan
  - Final Mission Operations Timelines